

TOWNSEND  
and  
TOWNSEND  
and  
CREW

LLP



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Two Embarcadero Center  
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Tel 415 576-0200  
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March 7, 2006

**VIA U.S. MAIL**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: Assignment Recordation Correction  
U.S. Nonprovisional Patent Appln. 10/032,156 ✓  
For: "Multi-Stage Encoder and Decoder for Communication Systems"  
Our File No.: 019186-003800US

Dear Sir or Madam:

An error appears in the enclosed Notice of Recordation. Two of the inventors names and doc dates were not recorded. The missing names and corresponding execution dates should read:

Assignor: "Lassen, Soren"

Doc Date: "03/20/2002"

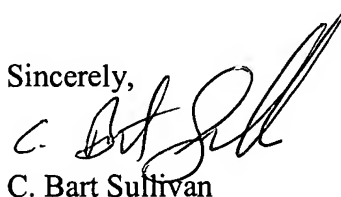
Assignor: "Luby, Michael"

Doc Date: "03/21/2002"

Enclosed is a marked-up copy of original Notice of Recordation of Assignment document and cover sheet together with a copy of the Assignment. The rest of the information on the Notice of Recordation is correct. This error is not due to any act of Applicant.

Please correct the USPTO Assignment records, and return a corrected Notice of Recordation to us at your earliest opportunity. Please do not hesitate to call if there is any question.

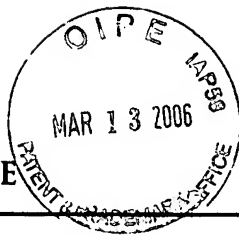
Sincerely,



C. Bart Sullivan

CBS/b2f  
Enclosures  
60718548 v1

UNITED STATES  
PATENT AND  
TRADEMARK OFFICE



019186-003800VS GES

JUNE 11, 2002

PTAS  
TOWNSEND AND TOWNSEND AND CREW LLP  
GREGORY E. STANTON  
TWO EMBARCADERO CENTER  
8TH FLOOR  
SAN FRANCISCO, CA 94111-3834

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov



\*102058054A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/11/2002

REEL/FRAME: 012784/0900  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

> SHOKROLLAHI, M. AMIN  
> LASSEN, SOREN  
> LUBY, MICHAEL

DOC DATE: 03/20/2002  
> : 03/20/2002  
> : 03/21/2002

ASSIGNEE:

DIGITAL FOUNTAIN, INC.  
39141 CIVIC CENTER DR.  
SUITE 300  
FREMONT, CALIFORNIA 94538

SERIAL NUMBER: 10032156  
PATENT NUMBER:

FILING DATE: 12/21/2001  
ISSUE DATE:

JEEVON JONES, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

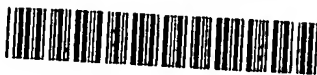
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Attorney Docket No. 019186-0038000US

Form PTO-1595  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)

04-17-2002

U.S. Department of Commerce  
U.S. Patent and Trademark Office



Tab settings ⇌ ⇌ ⇌ ▼

To the Honorable Commissioner of Pa

102058054

Original documents or copy thereof  
of receiving party(ies)

1. Name of conveying party(ies):

M. Amin Shokrollahi

4-11-02

Name: Digital Fountain, Inc.

Internal Address:

Additional name(s) of conveying parties attached? ☒ Yes ☐ No.

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

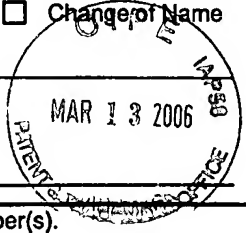
☐ Other:

Street Address: 39141 Civic Center Dr., Suite 300

City: Fremont State: CA ZIP: 94538

Additional names and addresses attached? ☐ Yes ☒ No

Execution Date: 3/20/02



4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 10/032,156

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Gregory E. Stanton  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.

Gregory E. Stanton

Name of Person Signing  
Atty. Reg. No. 45,127

Signature

4/1/02

Date

Total number of pages including cover sheet, attachments and document 4

Mail documents to be recorded with required cover to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

04/16/2002 DBYRHE 00000102 201430 10032156

01 FC:561

40.00 CH

1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

Soren Lassen  
Michael Luby

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

# COPY

Attorney Docket No.: 019186-003800US

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, M. Amin Shokrollahi of 904 Regal Road, Berkeley, CA 94708; Soren Lassen of 233 Bartlett St., San Francisco, CA 94110; and Michael Luby of 1133 Miller Ave., Berkeley, CA 94708; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:           MULTI-STAGE CODE GENERATOR AND DECODER  
FOR COMMUNICATION SYSTEMS

Date(s) of execution of Declaration:

Filing Date:                 12/21/01

Application No.:            10/032,156; and

WHEREAS, Digital Fountain, Inc., a corporation of the state of Delaware, located at 39141 Civic Center Drive, Suite 300, Fremont, CA, 94538, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

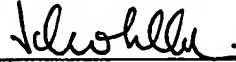
Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

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Assignment  
Attorney Docket No.: 019186-003800US  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 03/20/2002



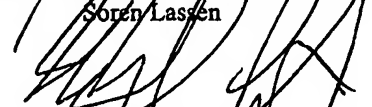
M. Amin Shokrollahi

Dated: 03/20/2002



Soren Lassen

Dated: 3/21/2002



Michael Luby